

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-014118**Date Inspected:** 10-May-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Mr. Qie Wen**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Tower**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance(QA) Inspector, Baskar Govindarajan, was present during the times noted above for observations relative to the work being performed.

**Heavy Dock Jetty**

1.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 040724, 202100 perform SMAW welding on, Doublers plate on Skin A of West Shaft, Lift 1 and Weld joint identified as P 475-W-4, 2. ZPMC CWI Identified as Mr. Qie Wen. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-3213-B-U2A-1.(Photo attached)

2.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 040675 perform SMAW repair welding on, West tower, Lift 1, CD Corner Base plate. ZPMC CWI Identified as Mr. Qiu Wen. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-345-SMAW-2G (2F)-Repair.

3.This QA inspector, Baskar Govindarajan, observed, a Overlapping of approximately 6mm and 1 mm between Anchor bolt hole and Type 1 bearing stiffener in Skin C of West Shat Lift 1. The same was reported to SMR and Task leader. Incident report written for this matter. (Photo attached)

4.This QA inspector, Baskar Govindarajan, has taken measurements of distances between Anchor bolt hole and Type 1, 2 and main stiffener of Skin C of West Shaft, Lift 1. These readings have been taken along with QA

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# WELDING INSPECTION REPORT

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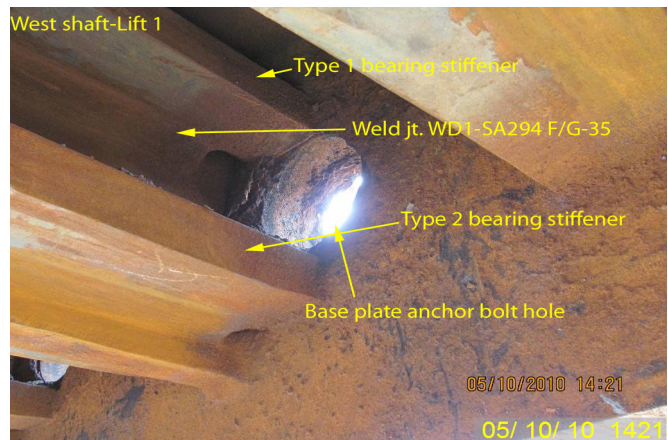
Inspector Mr. Sandeep whose lot no. is B 227.

## Ultrasonic Testing:

This QA inspector, Baskar Govindarajan, performed Ultrasonic Testing (UT) of approximately 10% of the area previously tested and accepted at Tower components by ZPMC Quality Control personnel. This QA Inspector generated a TL-6027 UT report for this date. The member is identified as West tower, Lift 1, Skin D Elevator support angle at 13 mtr. elevation . The weld designation reviewed is as follows:

WSD1- A 423 E/H- Jt. no – 245 –Elevator support angle

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



## Summary of Conversations:

No relevant conversations.

## Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Skyler Guest - 15000422360, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Baskar,Govindarajan	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford,William	QA Reviewer

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